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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/590,686	06/09/2000	Satoshi Hoshino	Q59623	2759

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EXAMINER	
REAGAN, JAMES A	
ART UNIT	PAPER NUMBER
3621	

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/590,686	HOSHINO, SATOSHI	
	Examiner	Art Unit	
	James A. Reagan	3621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 November 2005*.

2a)☒ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-8 and 11-30* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7,16,17,19-22,24-27,29 and 30* is/are rejected.

7)☐ Claim(s) *8,18, 28, and 30* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Status of Claims

1. This action is in response to the RCE received on 07 November 2005.

2. Claims 1-8 and 11-30 are pending and have been examined.

Drawings

3. The Examiner accepts the drawings filed on 09 June 2000.

RESPONSE TO ARGUMENTS

4. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

5. Claims 8, 18, 23, and 30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, as well as correcting any deficiencies under as shown below.

Claim Rejections - 35 USC § 101

6. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

7. Claims 29 and 30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Specifically, claims 29 and 30 are directed towards a program data signal being embedded in a carrier wave, which is not tangibly embodied on a computer-readable medium.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

9. Claims 1-7, 16, 17, 19-22, 24-27, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lang (US 5,191,611) in view of Bosen et al. (US 4,907,268), in view of Whytock (EP 0 878 780 A2) in view of Fukuzaki (US 5,948,103 A), further in view of Piosenka (US 4,993,068 A).

Examiner's note: Examiner has pointed out particular references contained in the prior art of record in the body of this action for the convenience of the Applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply. Applicant, in preparing the response, should consider fully the *entire* reference as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Claim 1:

With regard to the limitation of:

- *said storage units comprise a first storage unit which stores an electronic data record file including electronic data, and a second storage unit which stores a log file including log data representing input or update log of the electronic data recorded on said electronic data record file*, Lang discloses storage media sub-divided into logical zones (abstract), updating the storage media's recorded material (column 12, lines 59-60), and a storage accessing device i.e. smart card (column 2, lines 42-44). Lang does not specifically disclose a log file. Bosen, however, does disclose "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Lang with Bosen because maintaining a log of user access, user changes, and administrative functions enables secure right to use and information assurance within a valuable system.
- *said input device inputs electronic data to be recorded on said electronic data record file, and update data to update the recorded electronic data*, Lang discloses updating the storage media's recorded material (column 12, lines 59-60), and an input devices (Figure 1).

- *said controller executes the program stored in said memory to:*
- *store log of the electronic data input from said input device in the log file*, Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33), inherently disclosing the storage of log data.
- *control said data reader to determine whether said first recording medium being accessed by said data reader is certified medium or not*, Lang discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card, inherently disclosing the security of the medium.
- *determine whether said system is operated by a certified operator*, Lang discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card.
- *allow the operator to input the update data through said input device to update the electronic data in the electronic data record file when said first recording medium and the operator are certified*, Lang discloses updating the databases through the normal update activities (column 12, line 59 to column 13, line 8).
- *store log of the update data input by the input device in the log file,* Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33), inherently disclosing a new entry into the log.

The combination of Lang/Bosen does not specifically disclose *a third storage unit which stores a physical characteristic data file which pre-stores data on physical characteristics of a certified operator*, nor do they specifically disclose *a comparison between data on physical characteristics of an operator obtained by said physical characteristic data obtaining unit and the data on the physical characteristics stored in said third storage unit*. However, Whytock, in 2, lines 5-18 and in column 3, line 55 to column 4, line 20 discloses matching biometric information

from a current scan against recorded information as well as recording biometric information onto a smart card for verifications and authorizations. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Bosen/Lang with Whytock because this provides increased security techniques that are efficient and highly accurate as well as difficult to compromise.

Lang discloses updating the databases through the normal update activities (column 12, line 59 to column 13, line 8), as well as storage media sub-divided into logical zones (abstract), inherently disclosing the step of storing the data. The combination of Bosen/Lang/Whytock does not specifically disclose:

- *update the electronic data in the electronic data record file by affixing thereto an electronic signature in accordance with the update data input by said input device,*
- *store the electronic data input from said input device by affixing thereto an electronic signature in the electronic data record file,*

However, Fukuzaki, in at least Figure 1 and associated text discloses affixing an electronic signature to a data item. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the data storage system of Bosen/Lang/Whytock with Fukuzaki's use of an electronic signature because this ensures the integrity of the files as well as prevents unauthorized access and use of sensitive or valuable digital data.

The combination of Bosen/Lang/Whytock/Fukuzaki does not disclose the limitation of *determine that said system is operated by a certified operator only when said medium verification device verifies that said first recording medium is a certified medium, and all three of the data on physical characteristics of an operator obtained by said physical characteristic data obtaining unit, the data regarding the physical, characteristics of an operator which said data reader has read from said first recording medium, and the data on the physical characteristics stored in said third storage unit, correspond to one another.* Piosenka, however, in at least Figure 3b and associated text discloses a credential being verified as certified and proceeding to a biometric analysis phase

of authentication. It would have been obvious to one of ordinary skill inn the art at the time of the invention to combine Bosen/Lang/Whytock/Fukuzaki with Piosenka because stacking verification procedures obviously augments the security of an organization.

Claim 2:

The combination of Lang/Bosen discloses the limitations as shown above. Lang/Bosen do not specifically disclose *said second storage unit is detachably connected to said system.* Bosen, however, does disclose a detachable EEPROM device. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because detachable devices such as hard drives, storage media, and card readers allow the user to conveniently transport the mobile devices from one machine to another, making the system more portable and efficient.

Claim 3:

The combination of Lang/Bosen discloses the limitations as shown above. Lang/Bosen do not specifically disclose *said first recording medium is detachably connected to said data reader.* Bosen, however, does disclose a detachable EEPROM device. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because detachable devices such as hard drives, storage media, and card readers allow the user to conveniently transport the mobile devices from one machine to another, making the system more portable and efficient.

Claim 4:

With regard to the limitation of *said first recording medium stores predetermined encryption keys, and said system further comprises a medium verification unit which stores predetermined encryption keys, collaborates with said data reader to perform medium verification by the challenge-response with using the own encryption key and the encryption key read from said first recording medium, and informs said controller of the verification results*, Lang discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card, inherently disclosing the security of the medium, and a challenge-response technique (column 13, line 49).

Claim 5:

The combination of Lang/Bosen discloses the limitations as shown above. Lang/Bosen do not specifically disclose *said controller encrypts the log of the electronic data input by said input device with the predetermined encryption key, and stores the encrypted data in the log file.* However, Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because securing the log file with encryption algorithms prevents unauthorized access, ensuring the legitimacy of the data.

Claim 6:

Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). The combination of Lang/Bosen does not specifically disclose:

- *said controller decodes the encrypted log of the input electronic data stored in the log file with using a predetermined decode key when said controller certifies said first recording medium and the operator*, and

- *said system further comprises an output device which outputs the log of the input electronic data decoded by said controller.*

However, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because the log must inherently must be decrypted using the same or similar method in which is was encrypted, and successively made available to an authorized administrator for viewing. This provides an efficient and readily available method for accessing the encrypted log file information.

Claim 7:

With regard to the limitation of *said input device inputs the update data in accordance with the log of the input electronic data output by said output device*, it is obvious that an input device would allow the entry of the data presented to the user on an output device, such as with a keyboard and monitor.

Claim 11:

With regard to the limitation of *said controller acts as said user verification unit by executing a program stored in said memory,* Lang discloses the use of biometrics (column 3, lines 10-19). Lang does not specifically disclose where the biometric information is stored on the system, but it would be an obvious to one of ordinary skill in the art to modify the storage of the biometric data as a desirable design choice.

Claim 12:

With regard to the limitation of *said controller stores the electronic data stored by said input device in the electronic data record file immediately after the data input*, Lang discloses updating the storage media's recorded material (column 12, lines 59-60), and an input devices (Figure 1). However, Examiner takes **Official Notice** that it is old and well known in the computer arts to store information on a database, in a special file folder, or onto a storage medium as soon

as it is entered into the machine. The particulars as to how soon, where, and through which medium are design choices that are nearly equivalent and substitutable, and therefore would be obvious to one of ordinary skill in the art.

Claim 13:

With regard to the limitation of *said controller stores the electronic data in the electronic data record file based on the log of the electronic data stored in the log file when said controller certifies said first recording medium and the operator*, Lang discloses updating the storage media's recorded material (column 12, lines 59-60), personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45). Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). The combination of Lang/Bosen does not specifically disclose that the file is stored based on the log file. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because using the log history as a basis for file storage and retrieval ensures the continuity of file storage, which makes certain that files are organized properly and securely.

Claim 14:

With regard to the limitation of *a second data reader which reads data stored in a detachable second recording medium, wherein said controller allows said input device to input the electronic data when said controller certifies said second recording medium based on the data read by said second data reader*, Lang discloses the use of biometrics (column 3, lines 10-19), as well as smart cards, inherently disclosing a smart card reader and a second reader, such as a fingerprint reader, for the biometric input. In addition, Lang does not specifically disclose that the second recording medium is detachable. Bosen, however, does disclose a detachable EEPROM device. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because detachable devices such as hard drives, storage media,

and card readers allow the user to conveniently transport the mobile devices from one machine to another, making the system more portable and efficient.

Claim 15:

With regard to the limitations of:

- *the electronic data record file stores electronic account data,* and
- *the electronic data and the update data include information regarding to dealings and information for updating the dealing information to be recorded on the electronic account,*

Lang shows a diagram showing multiple entries or user accounts in the index table of a storage medium (Figure 4). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang to update user accounts and the transactions associated with user accounts and to then store the updated information on the storage medium.

Claim 16:

With regard to the limitations of:

- *data input means for inputting electronic data*, see Lang, Figure 1.
- *electronic data recording means for recording information input by said data input means*, see Lang, Figure 1.
- *medium verification means for verifying a detachable recording medium when said recording medium is applied to said medium verification means,*

Lang discloses storage media sub-divided into logical zones (abstract), updating the storage media's recorded material (column 12, lines 59-60), and a storage accessing device i.e. smart card (column 2, lines 42-44). Lang also discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card, inherently disclosing the security of the medium.

With regard to the limitations of:

- *user verification means for determining whether an operator is a certified one or not*, Lang discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card, inherently disclosing the security of the medium.
- *access authorization means for authorizing input of update data for updating the electronic data recorded on said electronic data recording means, when said medium verification means verifies said recording medium and said user verification means verifies the operator*, Lang discloses personal security keys (abstract) and encryption/decryption algorithms (column 4, lines 41-45), as applied to the use of a smart card, inherently disclosing the security of the medium.
- *update data input means for inputting the update data when said access authorization means authorizes input of the update data*, Lang discloses updating the databases through the normal update activities (column 12, line 59 to column 13, line 8).
- *data update means for updating the electronic data stored in said electronic data recording means in accordance with the update data input by said update data input means*, Lang discloses updating the databases through the normal update activities (column 12, line 59 to column 13, line 8).

Lang does not specifically disclose *log management means for recording log of the electronic data input by said data input means and log of the update data input by said update data input means. Lang does not specifically disclose a log file.* Bosen, however, does disclose "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Lang with Bosen because maintaining a log of user access, user changes, and administrative functions enables secure right to use and information assurance within a valuable system.

The combination of Lang/Bosen does not specifically disclose *a physical characteristics data storage means for pre-storing data relating to physical characteristics of a certified operator, physical characteristic data obtaining means for obtaining data relating to physical characteristics of a certified operator*, nor do they specifically disclose *a comparison between data relating to the physical characteristics of the operator obtained by said physical characteristic data obtaining means and the data relating to said physical characteristics stored in said physical characteristics data storage means.* However, Whytock, in 2, lines 5-18 and in column 3, line 55 to column 4, line 20 discloses matching biometric information from a current scan against recorded information as well as recording biometric information onto a smart card for verifications and authorizations. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Bosen/Lang with Whytock because this provides increased security techniques that are efficient and highly accurate as well as difficult to compromise.

The combination of Bosen/Lang/Whytock/Fukuzaki does not disclose the limitation of *determine that said system is operated by a certified operator only when said medium verification device verifies that said first recording medium is a certified medium, and all three of the data on physical characteristics of an operator obtained by said physical characteristic data obtaining unit, the data regarding the physical, characteristics of an operator which said data reader has read from said first recording medium, and the data on the physical characteristics stored in said third storage unit, correspond to one another.* Piosenka, however, in at least Figure 3b and associated text discloses a credential being verified as certified and proceeding to a biometric analysis phase of authentication. It would have been obvious to one of ordinary skill inn the art at the time of the invention to combine Bosen/Lang/Whytock/Fukuzaki with Piosenka because stacking verification procedures obviously augments the security of an organization.

In addition, see the rejection of claim 1 above.

Claim 17:

Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). The combination of Lang/Bosen does not specifically disclose *electronic data output means for outputting the log of the electronic data recorded on said log management means when said access authorization means authorizes the update data input,*

However, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lang/Bosen because the log must inherently must be decrypted using the same or similar method in which is was encrypted, and successively made available i.e. outputted to an authorized administrator for viewing. This provides an efficient and readily available method for accessing the encrypted log file information.

With regard to the limitation of *wherein said update data input means inputs the update data in accordance with the electronic data output by said electronic data output means,* it is obvious that an input device would allow the entry of the data presented to the user on an output device, such as with a keyboard and monitor.

Claim 19:

With regard to the limitations of:

- *an electronic data record file for recording electronic data, and a log file for recording log of input or update of the electronic data to be recorded on the electronic data record file, said method comprising:*
- *inputting the electronic data to be recorded on the electronic data record file;*
- *storing log of the input electronic data in the log file;*
- *recording the input electronic data on the electronic data record file;*
- *discriminating whether a detachable recording medium is certified when said recording medium is applied to said system*
- *discriminating whether a certified operator operates said system or not by obtaining data relating to physical characteristics of an operator and comparing*

the obtained data with pre-stored data relating to physical characteristics of the certified operator;

- *permitting input of update data for updating the electronic data recorded on the electronic data record file when the recording medium and the operator are certified;*
- *inputting the update data after the permission;*
- *updating the electronic data in the electronic data record file in accordance with the input update data; and*
- *storing log of the input update data in the log file.*

The limitations of claim 19 are the same as the limitations of claim 1, and are therefore rejected on the same basis.

Claim 20:

With regard to the limitation of *said permitting the update data input outputs the log of the input electronic data stored in the log file*, Lang discloses updating the storage media's recorded material (column 12, lines 59-60), and an input devices (Figure 1), and Bosen discloses "...encrypted log of the accesses is recorded so that supervisors may access it at any time" (column 3, lines 32-33). The combination of Lang/Bosen does not specifically disclose that the log file is outputted at that time. However, Examiner takes **Official Notice** that it is old and well known in the computer arts to store information on a log, and then to provide the log to the user. The particulars as to how to present the log to a user are merely a design choice, and therefore would be obvious to one of ordinary skill in the art.

With regard to the limitation of *the update data are input in accordance with the output electronic data,* Lang discloses updating the storage media's recorded material (column 12, lines 59-60). Lang/Bosen do not specifically disclose the format in which the data is inputted to the storage system. However, Examiner takes **Official Notice** that it is old and well known in the computer arts to store information using the same format as the stored data. The particulars as

to how to store data are merely a design choice, and therefore would be obvious to one of ordinary skill in the art.

Claim 21:

With regard to the limitation of:

- *encrypting log of the input electronic data and the update data when storing the log of the input electronic data or the log of the input update data in the log file.*

The limitations of claim 21 are the same as the limitations of claim 5, and are therefore rejected on the same basis.

Claim 22:

With regard to the limitation of *decoding the log of the input electronic stored in the log file when the recording medium and the operator are certified, and outputting the decoded log data,* the limitation is the same as the limitation of claim 6, and are therefore rejected on the same basis.

Claim 24:

With regard to the limitation of:

- *said discriminating the certified operator compares data representing physical characteristics of an operator with previously stored data representing physical characteristics of the certified operator.*

The limitations of claim 24 are the same as the limitations of claim 10, and are therefore rejected on the same basis.

Claim 25:

With regard to the limitation of:

- *said recording the electronic data on the electronic data record file records the electronic data immediately after said inputting the electronic data inputs the electronic data.*

The limitations of claim 25 are the same as the limitations of claim 12, and are therefore rejected on the same basis.

Claim 26:

With regard to the limitation of:

- *said recording the electronic data records the electronic data on the electronic data record file when said discriminations certify said recording medium and the operator.*

The limitations of claim 26 are the same as the limitations of claim 13, and are therefore rejected on the same basis.

Claim 27:

With regard to the limitations of:

- *inputting the electronic data to be recorded on the electronic data record file;*
- *storing log of the input electronic data in the log file;*
- *recording the input electronic data on the electronic data record file;*
- *discriminating whether a detachable recording medium is certified one or not when said recording medium is applied to said system;*
- *discriminating whether a certified operator operates said system or not by obtaining data relating to physical characteristics of an operator and comparing the obtained data with pre-stored data relating to physical characteristics of the certified operator;*

- *permitting input of update data for updating the electronic data recorded on the electronic data record file when the recording medium and the operator are certified;*
- *inputting the update data after the permission;*
- *updating the electronic data in the electronic data record file in accordance with the input update data; and*
- *storing log of the input update data in the log file.*

The limitations of claim 27 are the same as the limitations of claim 19, and are therefore rejected on the same basis.

Claim 29:

With regard to the limitation of:

- *a segment for inputting the electronic data to be recorded on the electronic data record file;*
- *a segment for recording log of the input electronic data on the log file;*
- *a segment for recording the input electronic data on the electronic data record file;*
- *a segment for discriminating whether a detachable recording medium is certified one or not when said recording medium is applied to said computer system;*
- *a segment for discriminating whether a certified operator operates said system or not by obtaining data relating to physical characteristics of an operator and comparing the obtained data with pre-stored data relating to physical characteristics of the certified operator;*
- *a segment for permitting input of update data for updating the electronic data recorded on the electronic data record file when said recording medium and the operator are certified;*

- *a segment for inputting the update data when the update data input is permitted;*
- *a segment for updating the electronic data recorded on the electronic data record file in accordance with the input update data; and*
- *a segment for storing log of the input update data in the log file.*

The limitations of claim 29 are the same as the limitations of claim 19, and are therefore rejected on the same basis.

Any inquiry of a general nature or relating to the status of this application or concerning this communication or earlier communications from the Examiner should be directed to **James A. Reagan** whose telephone number is **571.272.6710.** The Examiner can normally be reached on Monday-Friday, 9:30am-5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, **James Trammell** can be reached at **571.272.6712**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair . Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at **866.217.9197** (toll-free).

Any response to this action should be mailed to:

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or faxed to:

571-273-8300 [Official communications, After Final communications labeled "Box AF"]

571-273-8300 [Informal/Draft communications, labeled "PROPOSED" or "DRAFT"]

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Alexandria, VA 22314.

JAMES A. REAGAN

Primary Examiner

Art Unit 3621

23 January 2006